Fig. 1

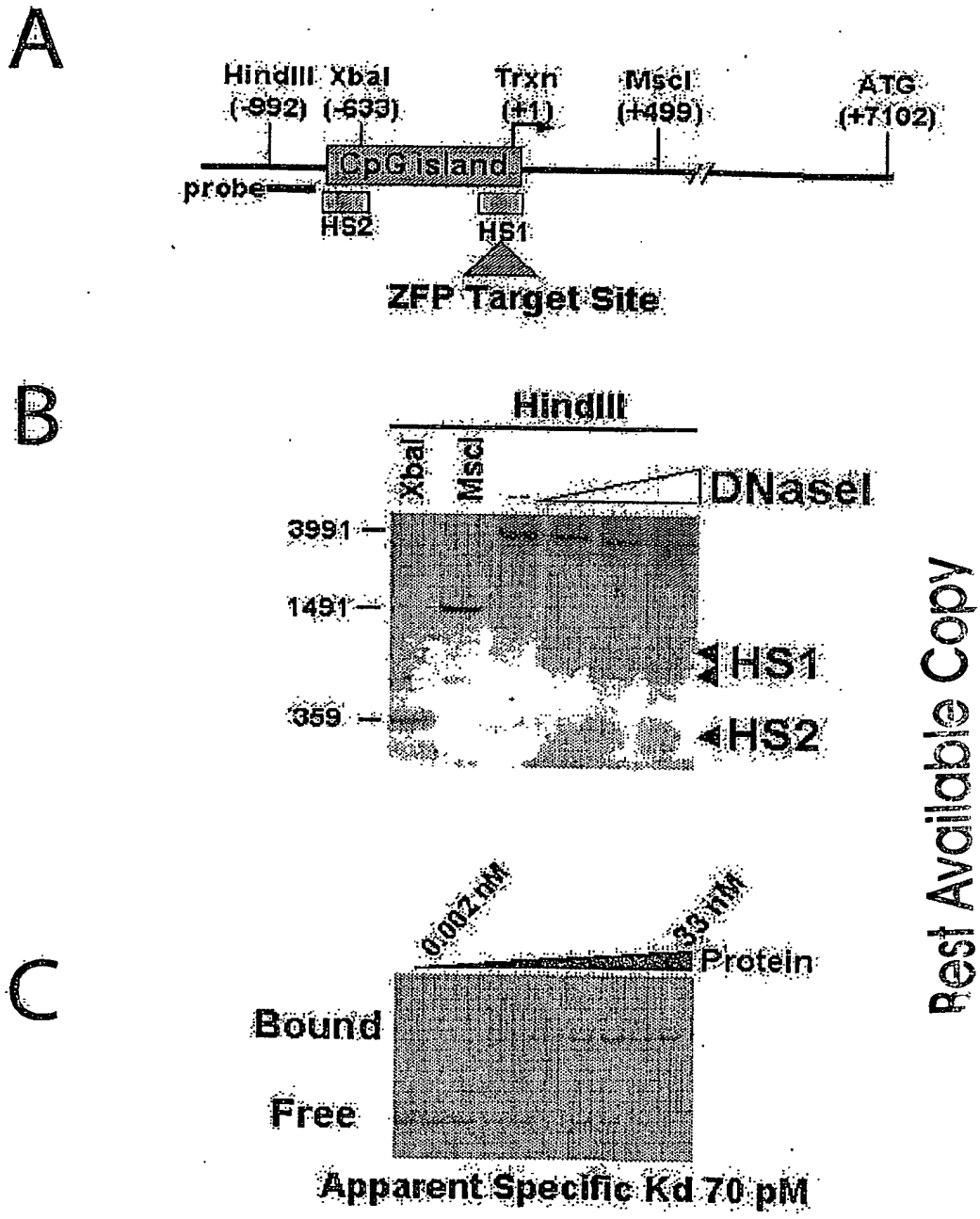
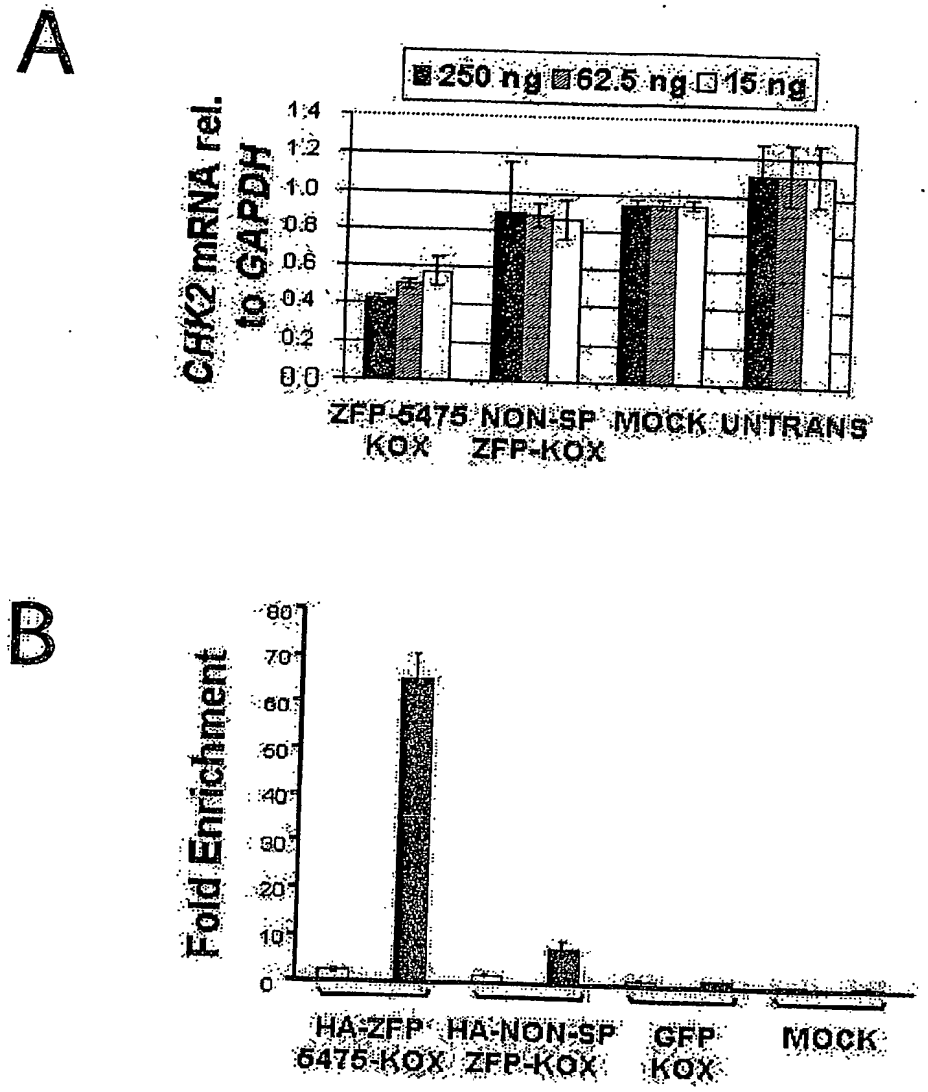


Fig. 2



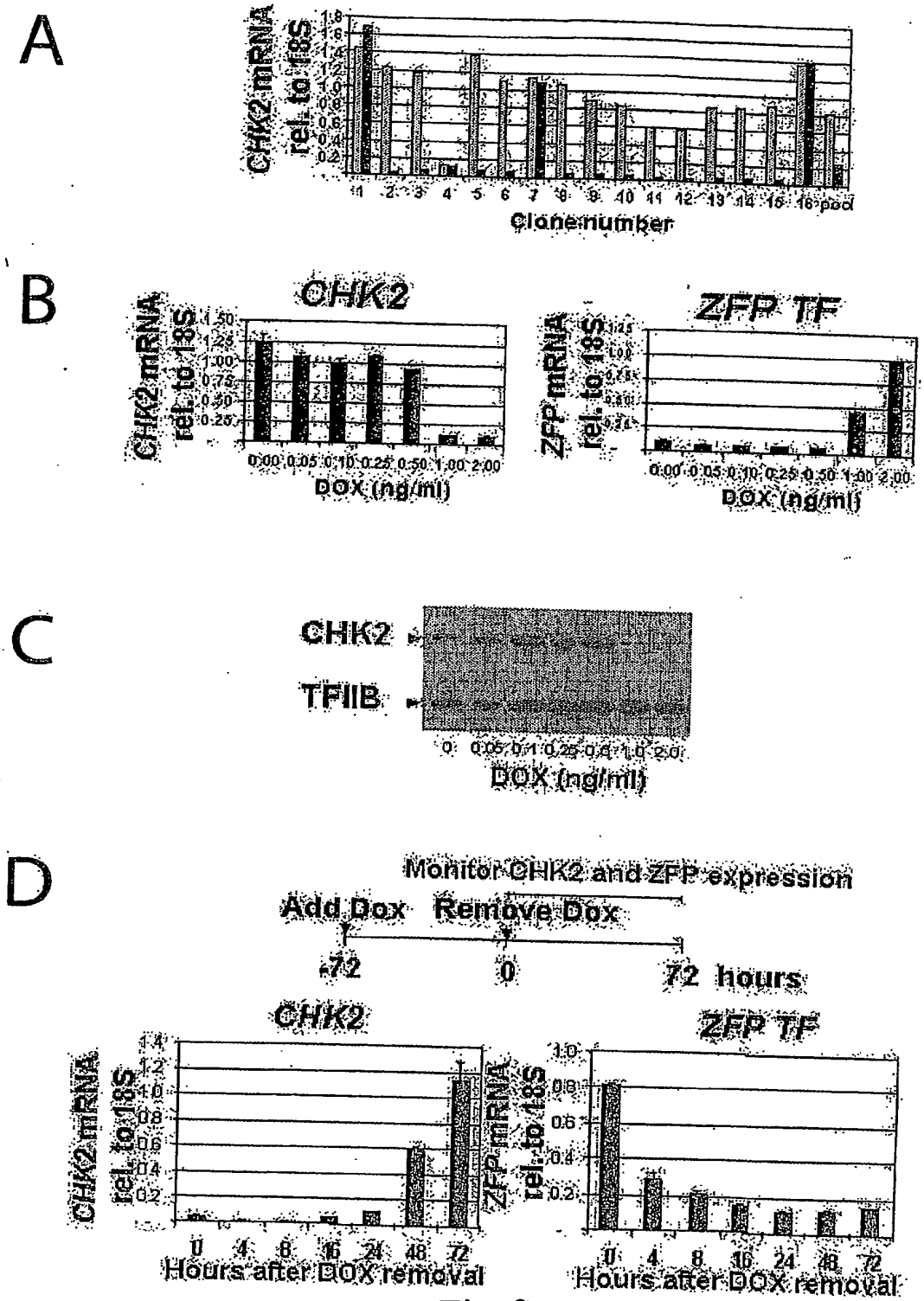


Fig. 3

Fig. 4

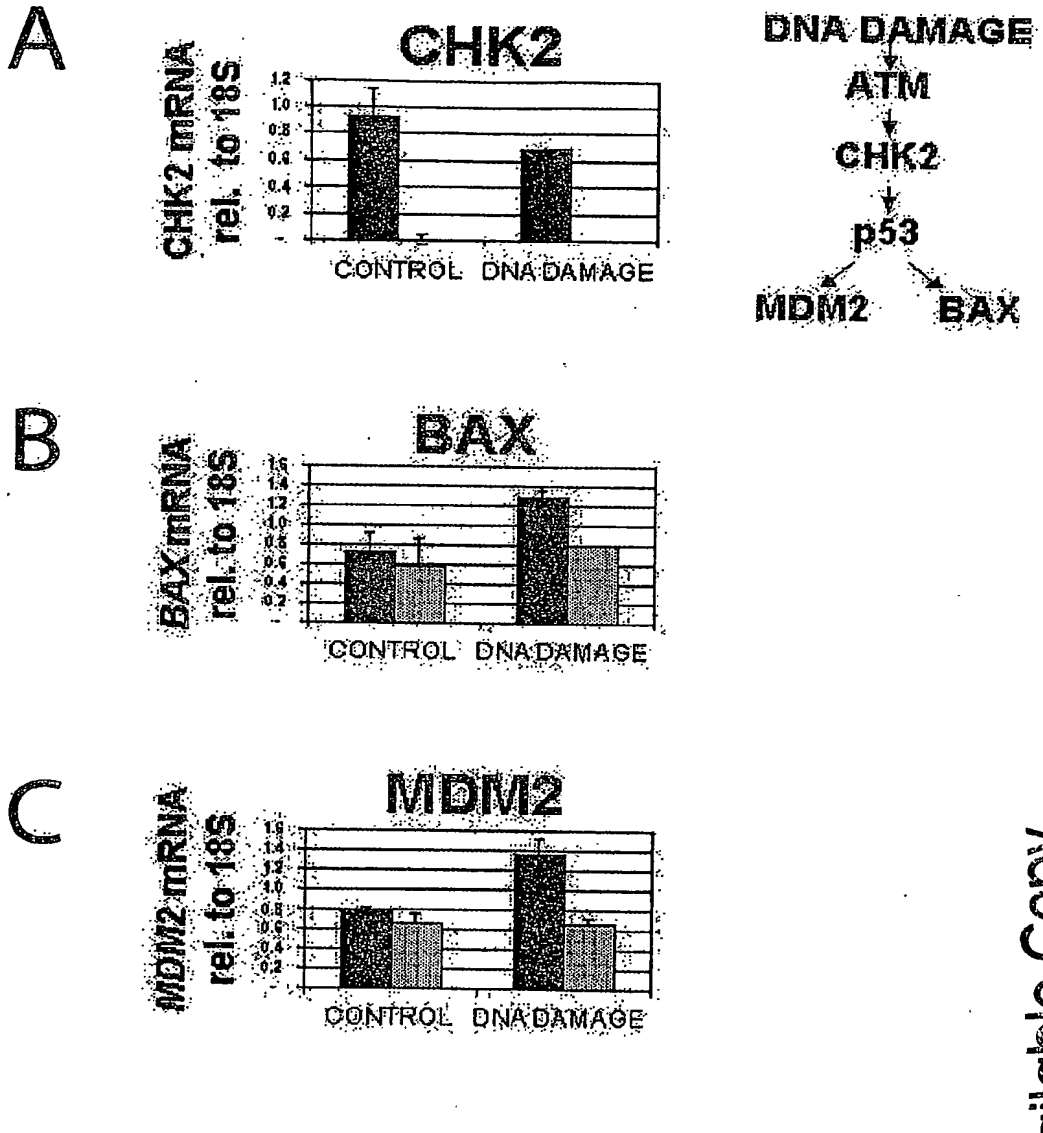


Fig. 5

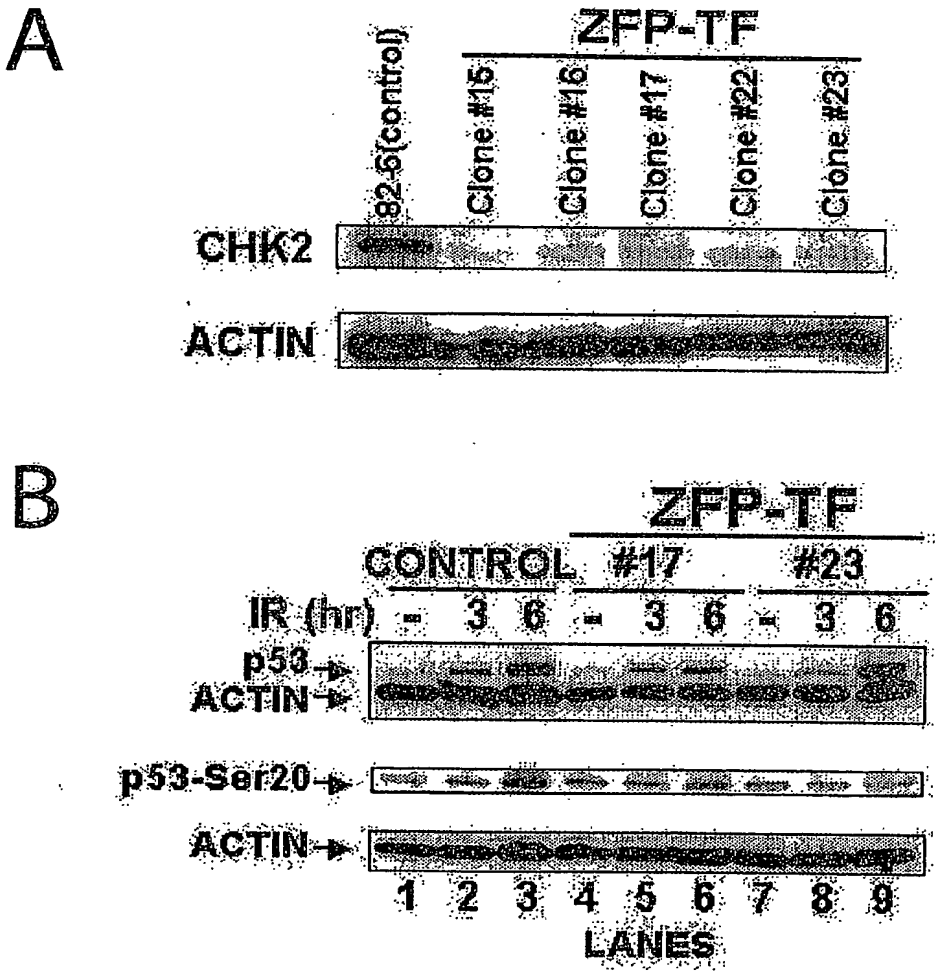


FIGURE 6

MAERPFQCRICMRNFSRSDHLSRHIRTH**TGEKP**FACDICGRKFADNRDRTKHT
KIH**TGGQRP**YACPVESCDRRFSDRKTLIEHIRIH**TGQKP**FQCRICMRNFSTSSG
LSRHIRTH**TGSQKP**FQCRICMRNFSRSDHLSEHIRTH**TGEKP**FACDICGRKFAT
SSDRTKHTKIHLRQKDAARN

SEQ ID NO: 27

FIGURE 7

MAERPYACPVESCDRRFSTSADLTEHIRIH**TGQKP**FQCRICMRNFSASANLSRHIRTH**TGGERP**F
QCRICMRNFSRSDALSTHIRTH**TGEKP**FACDICGRKFADRSTRTKHTKIH**TGSQKP**FQCRICMRN
FSRSDVLSAHIRTH**TGEKP**FACDICGKKFADRSNRIKHTKIHLRQKDAAR

(SEQ ID NO: 53)

FIG. 8

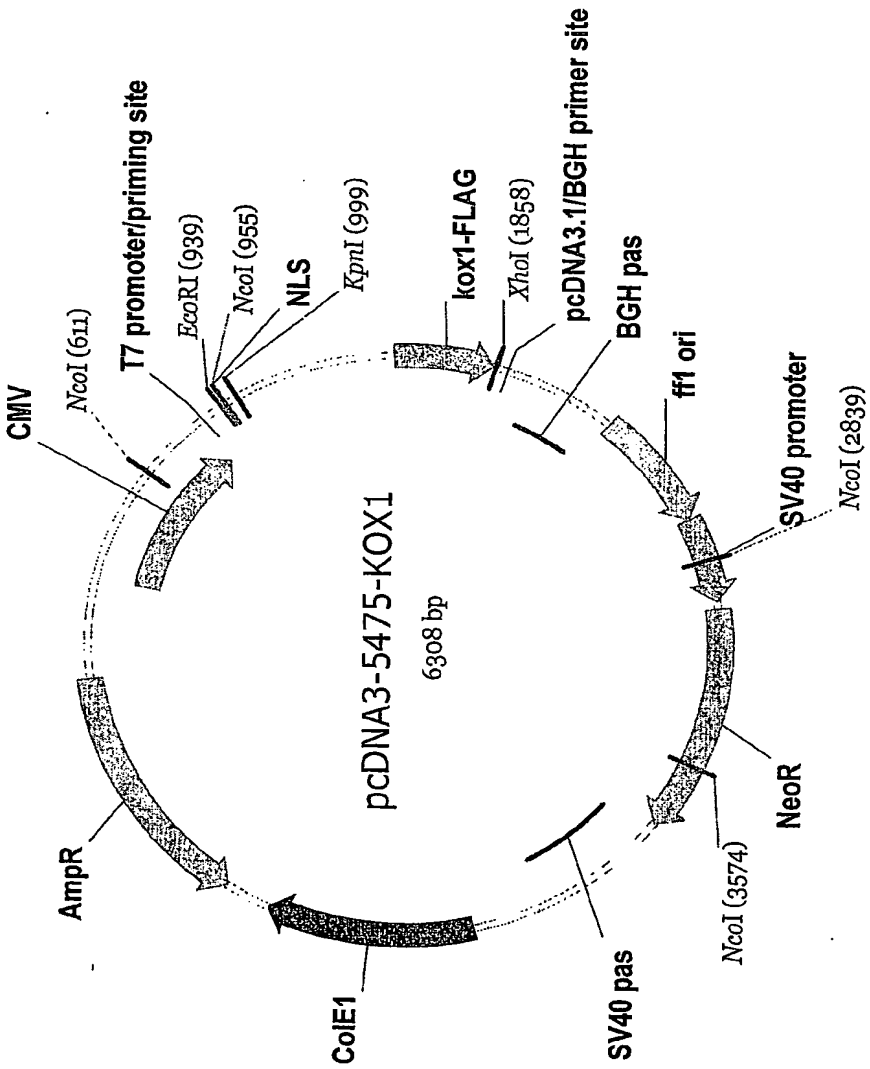

pcDNA3-5475-KOX1
6308 bp
CMV
NcoI (611)
T7 promoter/priming site
EcoRI (939)
NcoI (955)
NLS
KpnI (999)
kox1-FLAG
XhoI (1858)
pcDNA3.1/BGH primer site
BGH pas
f1 ori
SV40 promoter
NcoI (2839)
NeoR
NcoI (3574)
SV40 pas
ColE1
AmpR

FIG.9A

```
   1  GACGGATCGG GAGATCTCCC GATCCCCTAT GGTCGACTCT CAGTACAATC TGCTCTGATG CCGCATAGTT
      CTGCCTAGCC CTCTAGAGGG CTAGGGGATA CCAGCTGAGA GTCATGTTAG ACGAGACTAC GGCGTATCAA
  71  AAGCCAGTAT CTGCTCCCTG CTTGTGTGTT GGAGGTCGCT GAGTAGTGCG CGAGCAAAAT TTAAGCTACA
      TTCGGTCATA GACGAGGGAC GAACACACAA CCTCCAGCGA CTCATCACGC GCTCGTTTTA AATTCGATGT
 141  ACAAGGCAAG GCTTGACCGA CAATTGCATG AAGAATCTGC TTAGGGTTAG GCGTTTTGCG CTGCTTCGCG
      TGTTCCGTTC CGAACTGGCT GTTAACGTAC TTCTTAGACG AATCCCAATC CGCAAAACGC GACGAAGCGC
 211  ATGTACGGGC CAGATATACG CGTTGACATT GATTATTGAC TAGTTATTAA TAGTAATCAA TTACGGGGTC
      TACATGCCCG GTCTATATGC GCAACTGTAA CTAATAACTG ATCAATAATT ATCATTAGTT AATGCCCCAG
 281  ATTAGTTCAT AGCCCATATA TGGAGTTCCG CGTTACATAA CTTACGGTAA ATGGCCCGCC TGGCTGACCG
      TAATCAAGTA TCGGGTATAT ACCTCAAGGC GCAATGTATT GAATGCCATT TACCGGGCGG ACCGACTGGC
 351  CCCAACGACC CCCGCCCATT GACGTCAATA ATGACGTATG TTCCCATAGT AACGCCAATA GGGACTTTCC
      GGGTTGCTGG GGGCGGGTAA CTGCAGTTAT TACTGCATAC AAGGGTATCA TTGCGGTTAT CCCTGAAAGG
 421  ATTGACGTCA ATGGGTGGAC TATTTACGGT AAACTGCCCA CTTGGCAGTA CATCAAGTGT ATCATATGCC
      TAACTGCAGT TACCCACCTG ATAAATGCCA TTTGACGGGT GAACCGTCAT GTAGTTCACA TAGTATACGG
 491  AAGTACGCCC CCTATTGACG TCAATGACGG TAAATGGCCC GCCTGGCATT ATGCCCAGTA CATGACCTTA
      TTCATGCGGG GGATAACTGC AGTTACTGCC ATTTACCGGG CGGACCGTAA TACGGGTCAT GTACTGGAAT
                                                      NcoI
                                                      ~~~~~~~
 561  TGGGACTTTC CTACTTGGCA GTACATCTAC GTATTAGTCA TCGCTATTAC CATGGTGATG CGGTTTTGGC
      ACCCTGAAAG GATGAACCGT CATGTAGATG CATAATCAGT AGCGATAATG GTACCACTAC GCCAAAACCG
 631  AGTACATCAA TGGGCGTGGA TAGCGGTTTG ACTCACGGGG ATTTCCAAGT CTCCACCCCA TTGACGTCAA
      TCATGTAGTT ACCCGCACCT ATCGCCAAAC TGAGTGCCCC TAAAGGTTCA GAGGTGGGGT AACTGCAGTT
 701  TGGGAGTTTG TTTTGGCACC AAAATCAACG GGACTTTCCA AAATGTCGTA ACAACTCCGC CCCATTGACG
      ACCCTCAAAC AAAACCGTGG TTTTAGTTGC CCTGAAAGGT TTTACAGCAT TGTTGAGGCG GGGTAACTGC
 771  CAAATGGGCG GTAGGCGTGT ACGGTGGGAG GTCTATATAA GCAGAGCTCT CTGGCTAACT AGAGAACCCA
      GTTTACCCGC CATCCGCACA TGCCACCCTC CAGATATATT CGTCTCGAGA GACCGATTGA TCTCTTGGGT
 841  CTGCTTACTG GCTTATCGAA ATTAATACGA CTCACTATAG GGAGACCCAA GCTGGCTAGC GTTTAAACTT
      GACGAATGAC CGAATAGCTT TAATTATGCT GAGTGATATC CCTCTGGGTT CGACCGATCG CAAATTTGAA
                                EcoRI              NcoI
                                ~~~~~~~            ~~~~~~
                                                     M  A   P  K  K   K  R  K  V  .
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FIG.9B

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911  AAGCTGATCC ACTAGTCCAG TGTGGTGGAA TTCGCTAGCG CCACCATGGC CCCCAAGAAG AAGAGGAAGG
     TTCGACTAGG TGATCAGGTC ACACCACCTT AAGCGATCGC GGTGGTACCG GGGGTTCTTC TTCTCCTTCC
                    KpnI
                    ~~~~~~
     · G I D  G V P  F Q C R  I C M  R N F  S R S D  H L S ·
981  TGGGAATCGA TGGGGTACCC TTCCAGTGTC GAATCTGCAT GCGTAACTTC AGTCGTAGTG ACCACCTGAG
     ACCCTTAGCT ACCCCATGGG AAGGTCACAG CTTAGACGTA CGCATTGAAG TCAGCATCAC TGGTGGACTC
     · R H I  R T H T  G E K  P F A  C D I C  G R K  F A D
1051 CCGGCACATC CGCACCCACA CAGGCGAGAA GCCTTTTGCC TGTGACATTT GTGGGAGGAA ATTTGCCGAC
     GGCCGTGTAG GCGTGGGTGT GTCCGCTCTT CGGAAAACGG ACACTGTAAA CACCCTCCTT TAAACGGCTG
      N R D R  T K H  T K I  H T G G  Q R P  Y A C  P V E S ·
1121 AACCGGGACC GCACAAAGCA TACCAAGATA CACACGGGCG GACAGCGGCC GTACGCATGC CCTGTCGAGT
     TTGGCCCTGG CGTGTTTCGT ATGGTTCTAT GTGTGCCCGC CTGTCGCCGG CATGCGTACG GGACAGCTCA
     · C D R  R F S  D R K T  L I E  H I R  I H T G  Q K P ·
1191 CCTGCGATCG CCGCTTTTCT GACAGGAAGA CACTTATCGA GCATATCCGC ATCCACACCG GTCAGAAGCC
     GGACGCTAGC GGCGAAAAGA CTGTCCTTCT GTGAATAGCT CGTATAGGCG TAGGTGTGGC CAGTCTTCGG
     · F Q C  R I C M  R N F  S T S  S G L S  R H I  R T H
1261 CTTCCAGTGT CGAATCTGCA TGCGTAACTT CAGTACCAGC AGCGGGCTGA GCCGCCACAT CCGCACCCAC
     GAAGGTCACA GCTTAGACGT ACGCATTGAA GTCATGGTCG TCGCCCGACT CGGCGGTGTA GGCGTGGGTG
      T G S Q  K P F  Q C R  I C M R  N F S  R S D  H L S E ·
1331 ACAGGATCTC AGAAGCCCTT CCAGTGTCGA ATCTGCATGC GTAACTTCAG TCGTAGTGAC CACCTGAGCG
     TGTCCTAGAG TCTTCGGGAA GGTCACAGCT TAGACGTACG CATTGAAGTC AGCATCACTG GTGGACTCGC
     · H I R  T H T  G E K P  F A C  D I C  G R K F  A T S ·
1401 AACACATTCG CACCCACACA GGCGAGAAGC CTTTTGCCTG TGACATTTGT GGGAGGAAAT TTGCCACCAG
     TTGTGTAAGC GTGGGTGTGT CCGCTCTTCG GAAAACGGAC ACTGTAAACA CCCTCCTTTA AACGGTGGTC
     · S D R  T K H T  K I H  L R Q  K D A A  R G S  G M D
1471 CAGCGACCGC ACAAAGCATA CCAAGATACA CCTGCGCCAA AAAGATGCGG CCCGGGGATC CGGCATGGAT
     GTCGCTGGCG TGTTTCGTAT GGTTCTATGT GGACGCGGTT TTTCTACGCC GGGCCCCTAG GCCGTACCTA
      A K S L  T A W  S R T  L V T F  K D V  F V D  F T R E ·
1541 GCTAAGTCAC TAACTGCCTG GTCCCGGACA CTGGTGACCT TCAAGGATGT ATTTGTGGAC TTCACCAGGG
     CGATTCAGTG ATTGACGGAC CAGGGCCTGT GACCACTGGA AGTTCCTACA TAAACACCTG AAGTGGTCCC
```

FIG.9C

```
     · E W K  L L D  T A Q Q  I V Y  R N V  M L E N  Y K N ·
1611 AGGAGTGGAA GCTGCTGGAC ACTGCTCAGC AGATCGTGTA CAGAAATGTG ATGCTGGAGA ACTATAAGAA
     TCCTCACCTT CGACGACCTG TGACGAGTCG TCTAGCACAT GTCTTTACAC TACGACCTCT TGATATTCTT
     · L V S  L G Y Q  L T K  P D V  I L R L  E K G  E E P
1681 CCTGGTTTCC TTGGGTTATC AGCTTACTAA GCCAGATGTG ATCCTCCGGT TGGAGAAGGG AGAAGAGCCC
     GGACCAAAGG AACCCAATAG TCGAATGATT CGGTCTACAC TAGGAGGCCA ACCTCTTCCC TCTTCTCGGG
      W L V E  R E I  H Q E  T H P D  S E T  A F E  I K S S
1751 TGGCTGGTGG AGAGAGAAAT TCACCAAGAG ACCCATCCTG ATTCAGAGAC TGCATTTGAA ATCAAATCAT
     ACCGACCACC TCTCTCTTTA AGTGGTTCTC TGGGTAGGAC TAAGTCTCTG ACGTAAACTT TAGTTTAGTA
                                        XhoI
                                        ~~~~~~~
     · V D Y  K D D  D D K  *
1821 CAGTTGACTA CAAGGACGAC GATGACAAGT AAGCTTCTCG AGTCTAGCTA GAGGGCCCGT TTAAACCCGC
     GTCAACTGAT GTTCCTGCTG CTACTGTTCA TTCGAAGAGC TCAGATCGAT CTCCCGGGCA AATTTGGGCG
1891 TGATCAGCCT CGACTGTGCC TTCTAGTTGC CAGCCATCTG TTGTTTGCCC CTCCCCCGTG CCTTCCTTGA
     ACTAGTCGGA GCTGACACGG AAGATCAACG GTCGGTAGAC AACAAACGGG GAGGGGGCAC GGAAGGAACT
1961 CCCTGGAAGG TGCCACTCCC ACTGTCCTTT CCTAATAAAA TGAGGAAATT GCATCGCATT GTCTGAGTAG
     GGGACCTTCC ACGGTGAGGG TGACAGGAAA GGATTATTTT ACTCCTTTAA CGTAGCGTAA CAGACTCATC
2031 GTGTCATTCT ATTCTGGGGG GTGGGGTGGG GCAGGACAGC AAGGGGGAGG ATTGGGAAGA CAATAGCAGG
     CACAGTAAGA TAAGACCCCC CACCCCACCC CGTCCTGTCG TTCCCCCTCC TAACCCTTCT GTTATCGTCC
2101 CATGCTGGGG ATGCGGTGGG CTCTATGGCT TCTGAGGCGG AAAGAACCAG CTGGGGCTCT AGGGGGTATC
     GTACGACCCC TACGCCACCC GAGATACCGA AGACTCCGCC TTTCTTGGTC GACCCCGAGA TCCCCCATAG
2171 CCCACGCGCC CTGTAGCGGC GCATTAAGCG CGGCGGGTGT GGTGGTTACG CGCAGCGTGA CCGCTACACT
     GGGTGCGCGG GACATCGCCG CGTAATTCGC GCCGCCCACA CCACCAATGC GCGTCGCACT GGCGATGTGA
2241 TGCCAGCGCC CTAGCGCCCG CTCCTTTCGC TTTCTTCCCT TCCTTTCTCG CCACGTTCGC CGGCTTTCCC
     ACGGTCGCGG GATCGCGGGC GAGGAAAGCG AAAGAAGGGA AGGAAAGAGC GGTGCAAGCG GCCGAAAGGG
2311 CGTCAAGCTC TAAATCGGGG CATCCCTTTA GGGTTCCGAT TTAGTGCTTT ACGGCACCTC GACCCCAAAA
     GCAGTTCGAG ATTTAGCCCC GTAGGGAAAT CCCAAGGCTA AATCACGAAA TGCCGTGGAG CTGGGGTTTT
2381 AACTTGATTA GGGTGATGGT TCACGTAGTG GGCCATCGCC CTGATAGACG GTTTTTCGCC CTTTGACGTT
     TTGAACTAAT CCCACTACCA AGTGCATCAC CCGGTAGCGG GACTATCTGC CAAAAAGCGG GAAACTGCAA
2451 GGAGTCCACG TTCTTTAATA GTGGACTCTT GTTCCAAACT GGAACAACAC TCAACCCTAT CTCGGTCTAT
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FIG.9D

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      CCTCAGGTGC AAGAAATTAT CACCTGAGAA CAAGGTTTGA CCTTGTTGTG AGTTGGGATA GAGCCAGATA
2521  TCTTTTGATT TATAAGGGAT TTTGGGGATT TCGGCCTATT GGTTAAAAAA TGAGCTGATT TAACAAAAAT
      AGAAAACTAA ATATTCCCTA AAACCCCTAA AGCCGGATAA CCAATTTTTT ACTCGACTAA ATTGTTTTTA
2591  TTAACGCGAA TTAATTCTGT GGAATGTGTG TCAGTTAGGG TGTGGAAAGT CCCCAGGCTC CCCAGGCAGG
      AATTGCGCTT AATTAAGACA CCTTACACAC AGTCAATCCC ACACCTTTCA GGGGTCCGAG GGGTCCGTCC
2661  CAGAAGTATG CAAAGCATGC ATCTCAATTA GTCAGCAACC AGGTGTGGAA AGTCCCCAGG CTCCCCAGCA
      GTCTTCATAC GTTTCGTACG TAGAGTTAAT CAGTCGTTGG TCCACACCTT TCAGGGGTCC GAGGGGTCGT
2731  GGCAGAAGTA TGCAAAGCAT GCATCTCAAT TAGTCAGCAA CCATAGTCCC GCCCCTAACT CCGCCCATCC
      CCGTCTTCAT ACGTTTCGTA CGTAGAGTTA ATCAGTCGTT GGTATCAGGG CGGGGATTGA GGCGGGTAGG
                                              NcoI
                                              ~~~~~~~
2801  CGCCCCTAAC TCCGCCCAGT TCCGCCCATT CTCCGCCCCA TGGCTGACTA ATTTTTTTTA TTTATGCAGA
      GCGGGGATTG AGGCGGGTCA AGGCGGGTAA GAGGCGGGGT ACCGACTGAT TAAAAAAAAT AAATACGTCT
2871  GGCCGAGGCC GCCTCTGCCT CTGAGCTATT CCAGAAGTAG TGAGGAGGCT TTTTTGGAGG CCTAGGCTTT
      CCGGCTCCGG CGGAGACGGA GACTCGATAA GGTCTTCATC ACTCCTCCGA AAAAACCTCC GGATCCGAAA
2941  TGCAAAAAGC TCCCGGGAGC TTGTATATCC ATTTTCGGAT CTGATCAAGA GACAGGATGA GGATCGTTTC
      ACGTTTTTCG AGGGCCCTCG AACATATAGG TAAAAGCCTA GACTAGTTCT CTGTCCTACT CCTAGCAAAG
3011  GCATGATTGA ACAAGATGGA TTGCACGCAG GTTCTCCGGC CGCTTGGGTG GAGAGGCTAT TCGGCTATGA
      CGTACTAACT TGTTCTACCT AACGTGCGTC CAAGAGGCCG GCGAACCCAC CTCTCCGATA AGCCGATACT
3081  CTGGGCACAA CAGACAATCG GCTGCTCTGA TGCCGCCGTG TTCCGGCTGT CAGCGCAGGG GCGCCCGGTT
      GACCCGTGTT GTCTGTTAGC CGACGAGACT ACGGCGGCAC AAGGCCGACA GTCGCGTCCC CGCGGGCCAA
3151  CTTTTTGTCA AGACCGACCT GTCCGGTGCC CTGAATGAAC TGCAGGACGA GGCAGCGCGG CTATCGTGGC
      GAAAAACAGT TCTGGCTGGA CAGGCCACGG GACTTACTTG ACGTCCTGCT CCGTCGCGCC GATAGCACCG
3221  TGGCCACGAC GGGCGTTCCT TGCGCAGCTG TGCTCGACGT TGTCACTGAA GCGGGAAGGG ACTGGCTGCT
      ACCGGTGCTG CCCGCAAGGA ACGCGTCGAC ACGAGCTGCA ACAGTGACTT CGCCCTTCCC TGACCGACGA
3291  ATTGGGCGAA GTGCCGGGGC AGGATCTCCT GTCATCTCAC CTTGCTCCTG CCGAGAAAGT ATCCATCATG
      TAACCCGCTT CACGGCCCCG TCCTAGAGGA CAGTAGAGTG GAACGAGGAC GGCTCTTTCA TAGGTAGTAC
3361  GCTGATGCAA TGCGGCGGCT GCATACGCTT GATCCGGCTA CCTGCCCATT CGACCACCAA GCGAAACATC
      CGACTACGTT ACGCCGCCGA CGTATGCGAA CTAGGCCGAT GGACGGGTAA GCTGGTGGTT CGCTTTGTAG
3431  GCATCGAGCG AGCACGTACT CGGATGGAAG CCGGTCTTGT CGATCAGGAT GATCTGGACG AAGAGCATCA
      CGTAGCTCGC TCGTGCATGA GCCTACCTTC GGCCAGAACA GCTAGTCCTA CTAGACCTGC TTCTCGTAGT
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FIG.9E

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3501  GGGGCTCGCG CCAGCCGAAC TGTTCGCCAG GCTCAAGGCG CGCATGCCCG ACGGCGAGGA TCTCGTCGTG
      CCCCGAGCGC GGTCGGCTTG ACAAGCGGTC CGAGTTCCGC GCGTACGGGC TGCCGCTCCT AGAGCAGCAC
         NcoI
        ~~~~~~
3571  ACCCATGGCG ATGCCTGCTT GCCGAATATC ATGGTGGAAA ATGGCCGCTT TTCTGGATTC ATCGACTGTG
      TGGGTACCGC TACGGACGAA CGGCTTATAG TACCACCTTT TACCGGCGAA AAGACCTAAG TAGCTGACAC
3641  GCCGGCTGGG TGTGGCGGAC CGCTATCAGG ACATAGCGTT GGCTACCCGT GATATTGCTG AAGAGCTTGG
      CGGCCGACCC ACACCGCCTG GCGATAGTCC TGTATCGCAA CCGATGGGCA CTATAACGAC TTCTCGAACC
3711  CGGCGAATGG GCTGACCGCT TCCTCGTGCT TTACGGTATC GCCGCTCCCG ATTCGCAGCG CATCGCCTTC
      GCCGCTTACC CGACTGGCGA AGGAGCACGA AATGCCATAG CGGCGAGGGC TAAGCGTCGC GTAGCGGAAG
3781  TATCGCCTTC TTGACGAGTT CTTCTGAGCG GGACTCTGGG GTTCGAAATG ACCGACCAAG CGACGCCCAA
      ATAGCGGAAG AACTGCTCAA GAAGACTCGC CCTGAGACCC CAAGCTTTAC TGGCTGGTTC GCTGCGGGTT
3851  CCTGCCATCA CGAGATTTCG ATTCCACCGC CGCCTTCTAT GAAAGGTTGG GCTTCGGAAT CGTTTTCCGG
      GGACGGTAGT GCTCTAAAGC TAAGGTGGCG GCGGAAGATA CTTTCCAACC CGAAGCCTTA GCAAAAGGCC
3921  GACGCCGGCT GGATGATCCT CCAGCGCGGG GATCTCATGC TGGAGTTCTT CGCCCACCCC AACTTGTTTA
      CTGCGGCCGA CCTACTAGGA GGTCGCGCCC CTAGAGTACG ACCTCAAGAA GCGGGTGGGG TTGAACAAAT
3991  TTGCAGCTTA TAATGGTTAC AAATAAAGCA ATAGCATCAC AAATTTCACA AATAAAGCAT TTTTTTCACT
      AACGTCGAAT ATTACCAATG TTTATTTCGT TATCGTAGTG TTTAAAGTGT TTATTTCGTA AAAAAAGTGA
4061  GCATTCTAGT TGTGGTTTGT CCAAACTCAT CAATGTATCT TATCATGTCT GTATACCGTC GACCTCTAGC
      CGTAAGATCA ACACCAAACA GGTTTGAGTA GTTACATAGA ATAGTACAGA CATATGGCAG CTGGAGATCG
4131  TAGAGCTTGG CGTAATCATG GTCATAGCTG TTTCCTGTGT GAAATTGTTA TCCGCTCACA ATTCCACACA
      ATCTCGAACC GCATTAGTAC CAGTATCGAC AAAGGACACA CTTTAACAAT AGGCGAGTGT TAAGGTGTGT
4201  ACATACGAGC CGGAAGCATA AAGTGTAAAG CCTGGGGTGC CTAATGAGTG AGCTAACTCA CATTAATTGC
      TGTATGCTCG GCCTTCGTAT TTCACATTTC GGACCCCACG GATTACTCAC TCGATTGAGT GTAATTAACG
4271  GTTGCGCTCA CTGCCCGCTT TCCAGTCGGG AAACCTGTCG TGCCAGCTGC ATTAATGAAT CGGCCAACGC
      CAACGCGAGT GACGGGCGAA AGGTCAGCCC TTTGGACAGC ACGGTCGACG TAATTACTTA GCCGGTTGCG
4341  GCGGGGAGAG GCGGTTTGCG TATTGGGCGC TCTTCCGCTT CCTCGCTCAC TGACTCGCTG CGCTCGGTCG
      CGCCCCTCTC CGCCAAACGC ATAACCCGCG AGAAGGCGAA GGAGCGAGTG ACTGAGCGAC GCGAGCCAGC
4411  TTCGGCTGCG GCGAGCGGTA TCAGCTCACT CAAAGGCGGT AATACGGTTA TCCACAGAAT CAGGGGATAA
      AAGCCGACGC CGCTCGCCAT AGTCGAGTGA GTTTCCGCCA TTATGCCAAT AGGTGTCTTA GTCCCCTATT
4481  CGCAGGAAAG AACATGTGAG CAAAAGGCCA GCAAAAGGCC AGGAACCGTA AAAAGGCCGC GTTGCTGGCG
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FIG.9F

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      GCGTCCTTTC TTGTACACTC GTTTTCCGGT CGTTTTCCGG TCCTTGGCAT TTTTCCGGCG CAACGACCGC
4551  TTTTTCCATA GGCTCCGCCC CCCTGACGAG CATCACAAAA ATCGACGCTC AAGTCAGAGG TGGCGAAACC
      AAAAAGGTAT CCGAGGCGGG GGGACTGCTC GTAGTGTTTT TAGCTGCGAG TTCAGTCTCC ACCGCTTTGG
4621  CGACAGGACT ATAAAGATAC CAGGCGTTTC CCCCTGGAAG CTCCCTCGTG CGCTCTCCTG TTCCGACCCT
      GCTGTCCTGA TATTTCTATG GTCCGCAAAG GGGGACCTTC GAGGGAGCAC GCGAGAGGAC AAGGCTGGGA
4691  GCCGCTTACC GGATACCTGT CCGCCTTTCT CCCTTCGGGA AGCGTGGCGC TTTCTCAATG CTCACGCTGT
      CGGCGAATGG CCTATGGACA GGCGGAAAGA GGGAAGCCCT TCGCACCGCG AAAGAGTTAC GAGTGCGACA
4761  AGGTATCTCA GTTCGGTGTA GGTCGTTCGC TCCAAGCTGG GCTGTGTGCA CGAACCCCCC GTTCAGCCCG
      TCCATAGAGT CAAGCCACAT CCAGCAAGCG AGGTTCGACC CGACACACGT GCTTGGGGGG CAAGTCGGGC
4831  ACCGCTGCGC CTTATCCGGT AACTATCGTC TTGAGTCCAA CCCGGTAAGA CACGACTTAT CGCCACTGGC
      TGGCGACGCG GAATAGGCCA TTGATAGCAG AACTCAGGTT GGGCCATTCT GTGCTGAATA GCGGTGACCG
4901  AGCAGCCACT GGTAACAGGA TTAGCAGAGC GAGGTATGTA GGCGGTGCTA CAGAGTTCTT GAAGTGGTGG
      TCGTCGGTGA CCATTGTCCT AATCGTCTCG CTCCATACAT CCGCCACGAT GTCTCAAGAA CTTCACCACC
4971  CCTAACTACG GCTACACTAG AAGGACAGTA TTTGGTATCT GCGCTCTGCT GAAGCCAGTT ACCTTCGGAA
      GGATTGATGC CGATGTGATC TTCCTGTCAT AAACCATAGA CGCGAGACGA CTTCGGTCAA TGGAAGCCTT
5041  AAAGAGTTGG TAGCTCTTGA TCCGGCAAAC AAACCACCGC TGGTAGCGGT GGTTTTTTTG TTTGCAAGCA
      TTTCTCAACC ATCGAGAACT AGGCCGTTTG TTTGGTGGCG ACCATCGCCA CCAAAAAAAC AAACGTTCGT
5111  GCAGATTACG CGCAGAAAAA AAGGATCTCA AGAAGATCCT TTGATCTTTT CTACGGGGTC TGACGCTCAG
      CGTCTAATGC GCGTCTTTTT TTCCTAGAGT TCTTCTAGGA AACTAGAAAA GATGCCCCAG ACTGCGAGTC
5181  TGGAACGAAA ACTCACGTTA AGGGATTTTG GTCATGAGAT TATCAAAAAG GATCTTCACC TAGATCCTTT
      ACCTTGCTTT TGAGTGCAAT TCCCTAAAAC CAGTACTCTA ATAGTTTTTC CTAGAAGTGG ATCTAGGAAA
5251  TAAATTAAAA ATGAAGTTTT AAATCAATCT AAAGTATATA TGAGTAAACT TGGTCTGACA GTTACCAATG
      ATTTAATTTT TACTTCAAAA TTTAGTTAGA TTTCATATAT ACTCATTTGA ACCAGACTGT CAATGGTTAC
5321  CTTAATCAGT GAGGCACCTA TCTCAGCGAT CTGTCTATTT CGTTCATCCA TAGTTGCCTG ACTCCCCGTC
      GAATTAGTCA CTCCGTGGAT AGAGTCGCTA GACAGATAAA GCAAGTAGGT ATCAACGGAC TGAGGGGCAG
5391  GTGTAGATAA CTACGATACG GGAGGGCTTA CCATCTGGCC CCAGTGCTGC AATGATACCG CGAGACCCAC
      CACATCTATT GATGCTATGC CCTCCCGAAT GGTAGACCGG GGTCACGACG TTACTATGGC GCTCTGGGTG
5461  GCTCACCGGC TCCAGATTTA TCAGCAATAA ACCAGCCAGC CGGAAGGGCC GAGCGCAGAA GTGGTCCTGC
      CGAGTGGCCG AGGTCTAAAT AGTCGTTATT TGGTCGGTCG GCCTTCCCGG CTCGCGTCTT CACCAGGACG
5531  AACTTTATCC GCCTCCATCC AGTCTATTAA TTGTTGCCGG GAAGCTAGAG TAAGTAGTTC GCCAGTTAAT
      TTGAAATAGG CGGAGGTAGG TCAGATAATT AACAACGGCC CTTCGATCTC ATTCATCAAG CGGTCAATTA
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FIG.9G

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5601  AGTTTGCGCA ACGTTGTTGC CATTGCTACA GGCATCGTGG TGTCACGCTC GTCGTTTGGT ATGGCTTCAT
      TCAAACGCGT TGCAACAACG GTAACGATGT CCGTAGCACC ACAGTGCGAG CAGCAAACCA TACCGAAGTA
5671  TCAGCTCCGG TTCCCAACGA TCAAGGCGAG TTACATGATC CCCCATGTTG TGCAAAAAAG CGGTTAGCTC
      AGTCGAGGCC AAGGGTTGCT AGTTCCGCTC AATGTACTAG GGGGTACAAC ACGTTTTTTC GCCAATCGAG
5741  CTTCGGTCCT CCGATCGTTG TCAGAAGTAA GTTGGCCGCA GTGTTATCAC TCATGGTTAT GGCAGCACTG
      GAAGCCAGGA GGCTAGCAAC AGTCTTCATT CAACCGGCGT CACAATAGTG AGTACCAATA CCGTCGTGAC
5811  CATAATTCTC TTACTGTCAT GCCATCCGTA AGATGCTTTT CTGTGACTGG TGAGTACTCA ACCAAGTCAT
      GTATTAAGAG AATGACAGTA CGGTAGGCAT TCTACGAAAA GACACTGACC ACTCATGAGT TGGTTCAGTA
5881  TCTGAGAATA GTGTATGCGG CGACCGAGTT GCTCTTGCCC GGCGTCAATA CGGGATAATA CCGCGCCACA
      AGACTCTTAT CACATACGCC GCTGGCTCAA CGAGAACGGG CCGCAGTTAT GCCCTATTAT GGCGCGGTGT
5951  TAGCAGAACT TTAAAAGTGC TCATCATTGG AAAACGTTCT TCGGGGCGAA AACTCTCAAG GATCTTACCG
      ATCGTCTTGA AATTTTCACG AGTAGTAACC TTTTGCAAGA AGCCCCGCTT TTGAGAGTTC CTAGAATGGC
6021  CTGTTGAGAT CCAGTTCGAT GTAACCCACT CGTGCACCCA ACTGATCTTC AGCATCTTTT ACTTTCACCA
      GACAACTCTA GGTCAAGCTA CATTGGGTGA GCACGTGGGT TGACTAGAAG TCGTAGAAAA TGAAAGTGGT
6091  GCGTTTCTGG GTGAGCAAAA ACAGGAAGGC AAAATGCCGC AAAAAAGGGA ATAAGGGCGA CACGGAAATG
      CGCAAAGACC CACTCGTTTT TGTCCTTCCG TTTTACGGCG TTTTTTCCCT TATTCCCGCT GTGCCTTTAC
6161  TTGAATACTC ATACTCTTCC TTTTTCAATA TTATTGAAGC ATTTATCAGG GTTATTGTCT CATGAGCGGA
      AACTTATGAG TATGAGAAGG AAAAAGTTAT AATAACTTCG TAAATAGTCC CAATAACAGA GTACTCGCCT
6231  TACATATTTG AATGTATTTA GAAAAATAAA CAAATAGGGG TTCCGCGCAC ATTTCCCCGA AAAGTGCCAC
      ATGTATAAAC TTACATAAAT CTTTTTATTT GTTTATCCCC AAGGCGCGTG TAAAGGGGCT TTTCACGGTG
6301  CTGACGTC
      GACTGCAG
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